# TITLE:

**A TECHNICAL REPORT**

**ON**

**STUDENT INDUSTRIAL WORK EXPERIENCE SCHEME(SIWES)**

**UNDERTAKEN AT**

**TALOSMART LIMITED**

**BY**

**AKANDE OLUMIDE JONATHAN**

**MATRIC NO: 222458**

**SUBMITTED TO THE DEPARTMENT OF COMPUTER SCIENCE,**

**FACULTY OF SCIENCE,**

**UNIVERSITY OF IBADAN,**

**IBADAN.**

**IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE AWARD OF BACHELOR OF SCIENCE (B.sc.) DEGREE**

**IN COMPUTER SCIENCE.**

**October, 2023.**

Department of Computer Science,

University of Ibadan,

Ibadan, Oyo State.

10th October, 2023.

The Director,

Industrial Training Coordinating Centre,

University of Ibadan,

Ibadan, Oyo State.

Dear Sir,

# LETTER OF SUBMISSION OF SIWES REPORT

**I, AKANDE OLUMIDE JONATHAN** with matriculation number **222458** having completed my 3 months Students Industrial Work Experience Scheme (SIWES) training being a requirement for completion of my BSc. In Computer Science, hereby write to present the technical report of my Industrial training undertaken at Talosmart Limited.

Thank you for your anticipated consideration and approval of my report.

Yours faithfully,

AKANDE OLUMIDE JONATHAN

# DEDICATION

This report is dedicated to my family for the extraordinary support and love I've received from my family. While I won't mention names, I want to express my deep gratitude to each member of my family for their unwavering presence in my life.

The bond we share is invaluable, and it has shaped me in profound ways. Your support during the challenges and celebrations alike has been my source of strength. Your sacrifices and selflessness have not gone unnoticed, and I am profoundly thankful for your enduring love.

In the tapestry of my life, my family is the most vibrant and essential thread. This report serves as a tribute to the profound impact you've had on my journey, and I look forward to creating more cherished memories together in the future.

# ACKNOWLEGDEMENT

I humbly express my profound gratitude to God Almighty for His constant guidance and grace in my life.

I want to extend my heartfelt gratitude to the dedicated staff of **Talosmart**. Your commitment, hard work, and exceptional service have made a significant impact, and I appreciate all that you do. Thank you for your professionalism and dedication to excellence.

My regards to my dear Uncle, **Mr. Olusola Binuyo**, who has been a constant source of wisdom, support, and financial assistance during my SIWES (Students Industrial Work Experience Scheme). I wish you continued blessings from God Almighty.

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# ABSTRACT

The Student Industrial Work Experience Scheme, initiated by the Federal Government of Nigeria, was designed with the goal of providing students from higher education institutions with the opportunity to gain practical experience and industrial skills relevant to their chosen field of study. Additionally, the program aimed to equip students with the technical competencies needed for their future careers upon graduation.

This technical report is a reflection of the knowledge and experience I acquired during my three-month industrial training at Talosmart Limited. Within this report, I detail my journey of learning content management systems for web development, including LifeTech OCMS, as well as gaining proficiency in Wordpress and Dropazz. These skills have significantly broadened my expertise within the field of computer science, my chosen area of study. It also delves into the activities I undertook and the valuable experiences I gained during this training period. Additionally, I address the challenges encountered and provide suggestions to enhance the program.

# INTRODUCTION

## INTRODUCTION TO SIWES

The Student Industrial Work Experience Scheme (SIWES) is a program jointly administered by the Industrial Training Fund (ITF) and the National University Commission (NUC). Its primary objective is to offer students across diverse academic departments the opportunity to gain practical experience, thereby bridging the divide between theoretical knowledge and practical application.

This initiative operates as a collaborative effort involving the ITF, students, and industries. Its overarching goal is to enhance students' proficiency and comprehension in their respective fields, fostering a deeper understanding of real-world applications within the realm of physical planning and other related disciplines.

### BACKGROUND AND HISTORY OF SIWES

The 1988 Industrial Training Fund National Conference, held in Jos, mandated all collaborating agencies, including NCCE, NBTE, and NUC, to create job specifications for degree programs, including the Student Industrial Work Experience Scheme (SIWES). At that time, these job specifications were intended to provide guidance to both industrialists and institutional supervisors when placing students in industrial settings. The goal was to ensure students received the minimum required industrial exposure to prepare them for future employment.

Recognizing the importance of job specifications in SIWES, the National University Commission (NUC) began working on this initiative shortly after the 1988 resolution. However, it wasn't until January 1996, during a 3-day national workshop in Jos, that job specifications were developed for all 71 programs that incorporated industrial attachment components in their minimum academic standard documents.

Nine panels, each led by a senior academic staff member, were formed to address the 46 programs involved. During two-day meetings, these panels meticulously drafted job specifications. Subsequently, a one-day meeting was convened to present five invited papers and establish the procedure, content, and format for job specification documents.

The initial draft of this document was circulated to universities, ITF industries, and professional bodies associated with the Scheme for their input and feedback. The panel then considered and incorporated relevant comments, resulting in the final job specification documents, organized into four parts: Introduction, Objectives, Physiology, and Job Schedule.

### OBJECTIVES OF SIWES